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PGRN Human

Progranulin Human Recombinant
GRF0320

Product Overview

Name	PGRN Human
Description	
Progranulin Human Recombinant	
Accession (Primary)	P28799
Synonyms	
GRN, PGRN, granulin, Acrogranin, propithelin, PC cell derived growth Factor, GEP, GP88, PEPI, PCDGF.	
Introduction	
A 88-kDa progranulin, also called proepithelin and PC cell-derived growth factor, is a single precursor protein of granulins which are a family of secreted, glycosylated peptides that are cleaved from a single precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. Granulins are a variety of active, 6 kDa peptides and named granulin A (epithelin 1), granulin B (epithelin 2), granulin C, etc. Both the peptides and intact progranulin protein regulate cell growth. However, different members of the granulin protein family may act as inhibitors, stimulators, or have dual actions on cell growth. Granulin family members are important in normal development, wound healing, and tumorigenesis.	
Source	
HEK 293 cells.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein contains 1xPBS.	
Stability	
Lyophilized Progranulin although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution PGRN should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by SDS-PAGE.	
Biological Activity	
Activates phospho-ERK1/2 in neuronal mouse P19 cells and regulates food intake and body weight.	

Solubility

It is recommended to reconstitute the lyophilized Progranulin in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

PGRN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P28799)